SAMANYU HEBBAR

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EDUCATION

Coppell High School, Coppell, Texas   May 2026
High School Diploma
   GPA: 3.95 / 4.00 Unweighted, 5.56 / 5.00 Weighted, 5.68 / 5 Ranked
   Class Rank: 1 / 1029

HONORS AND AWARDS

- Technology Student Association Webmaster/Web Development **National Finalist**
- TSA TEAMS State Finalist & National Qualifier – **4th place in Texas for Physics-based MCQ**
- UTD Battle of the Brains Hackathon (Competitive Programming) Novice Division – **1st place / 268 teams**
- UTA Calculus Bowl – **6th place / 40 contestants**
- National Youth Congressional App Challenge District 24 – **3rd place**
- National Merit Commended Scholar
- Instructor of the Month for December 2024 – Mathnasium

ACTIVITIES

Consolidated Electrical Distributors | Software Development Intern (Paid) | 12th (July & Aug 2025) | 40 hours / week
- Developed software error diagnostic tool to detect API malfunction across 50+ profit centers
- Leveraged ReactJS, TailwindCSS, and C# .NET to construct enterprise-ready application exceeding technical manager's performance benchmarks
- Collaborated with 10+ senior developers, quality assurance analysts, and product owners to ensure the application reached desired enterprise-level expectations
- Designed enterprise-level UI by leveraging UI/UX development tools such as Figma

Consolidated Electrical Distributors | Cybersecurity Intern (Paid) | 11th (June & July 2024) | 40 hours / week
- Deployed and configured CrowdStrike anti-virus software for 200+ servers hosting company codebase
- Independently executed multi-factor authentication (MFA) migration project for entire company, migrating 750+ employees before commencing internship
- Migrated 5,000+ blocked senders in Mimecast from legacy lists to more robust organizing system
- Executed litigation-related account restrictions to support legal discovery
- Earned a return internship offer for Summer 2025

Mathnasium | Instructor Level II (Paid) | 10th, 11th, 12th (ongoing) | 6.5 hours / week | Since Nov. 2023
- Delivered 500+ hours of high-impact of K-12 mathematical instruction through focused small group sessions
- Adapted lesson plans & curriculum to individual student needs, improving lesson engagement and content retention across sessions
- Provided personalized 1-on-1 private tutoring for AP Calculus students
- Communicated mathematical progress, session details, and areas of improvement of 150+ students to parents
- Assisted 5 new instructors with student engagement strategies, software familiarization, and student binder familiarity

Tutoro | Chief Information Officer (student startup) | 11th, 12th (ongoing) | 4 hours / week | Since March 2025
- Worked with 4 developers to create full technical workflow for AI-powered SAT tutor website
- Designed comprehensive specifications for fine-tuned large language model (LLM), including dataset requirements, evaluation metrics, and hyperparameter requirements, eventually generating over 11,000+ practice questions
- Implemented security measures for application such as input validation and data encryption
- Determined specific platforms, tools, and workflows for team based on developer experience

Technology Student Association | Competitor | 10th, 11th, 12th | 5 hours / week | All school yr. since Sept 2023
- Developed vegan website for national competition with HTML, CSS, and JQuery, winning 9th place at the national conference
- Tackled rigorous practical build challenge, essay writing, and physics-based MCQ exam to place 4th in the Texas TEAMS competition for physics MCQ and to qualify for national conference
- Programmed various machine learning algorithms to determine most influential factors in house pricing for Data Science & Analytics event, placing 1st regionally and qualifying for state conference

Kumon | Worksheet Grader (Paid) | 9th, 10th | 6.5 hours / week | March 2023 - September 2023
- Graded ~4,000+ math and reading worksheets
- Delivered 50+ hours of K-8 math and reading instruction
- Recorded student worksheet and assessment scores into data entry system

PROJECTS
- **Project Ambrosia School Article:** Article
- **Tutoro AI-Powered SAT tutor:** Tutoro

SKILLS
Technical/Computer Skills:
- Programming languages: Python, JavaScript, C#
- Frameworks & Libraries: ReactJS, Tailwind CSS, Flutter, C# .NET, Pandas, NumPy, Scikit-learn
- AI/ML: Hugging Face, LLM Fine-Tuning, Dataset Processing & Preparation, Model Evaluation

Languages:
- English: Native proficiency
- Kannada: Native proficiency
- Spanish: Limited Working Proficiency